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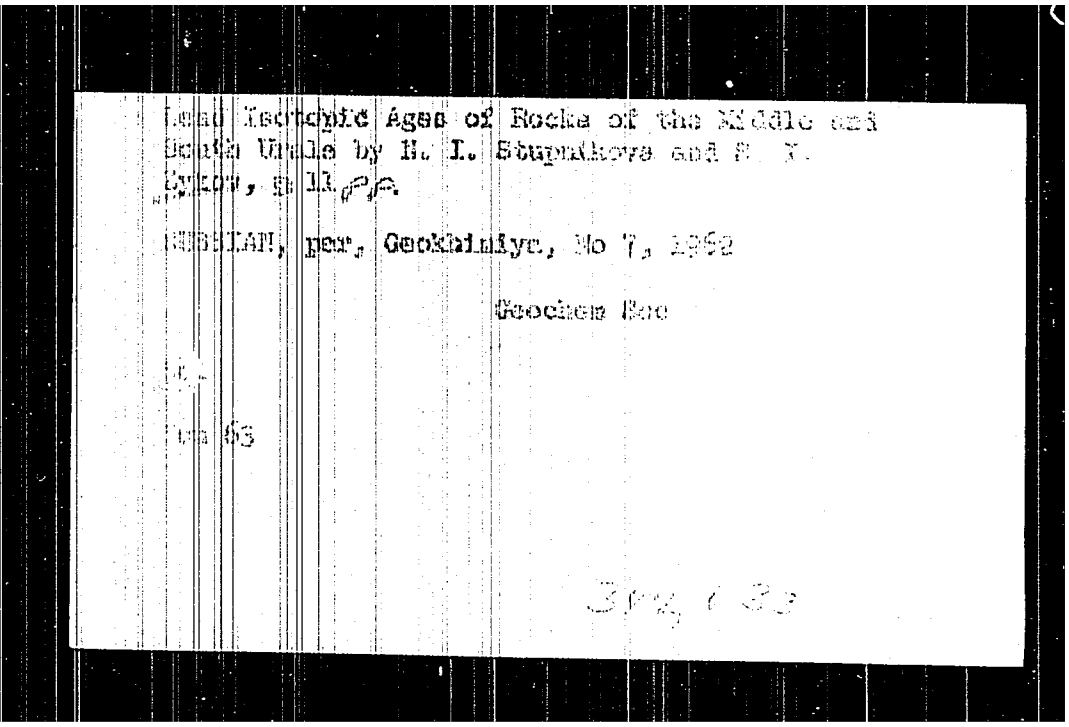

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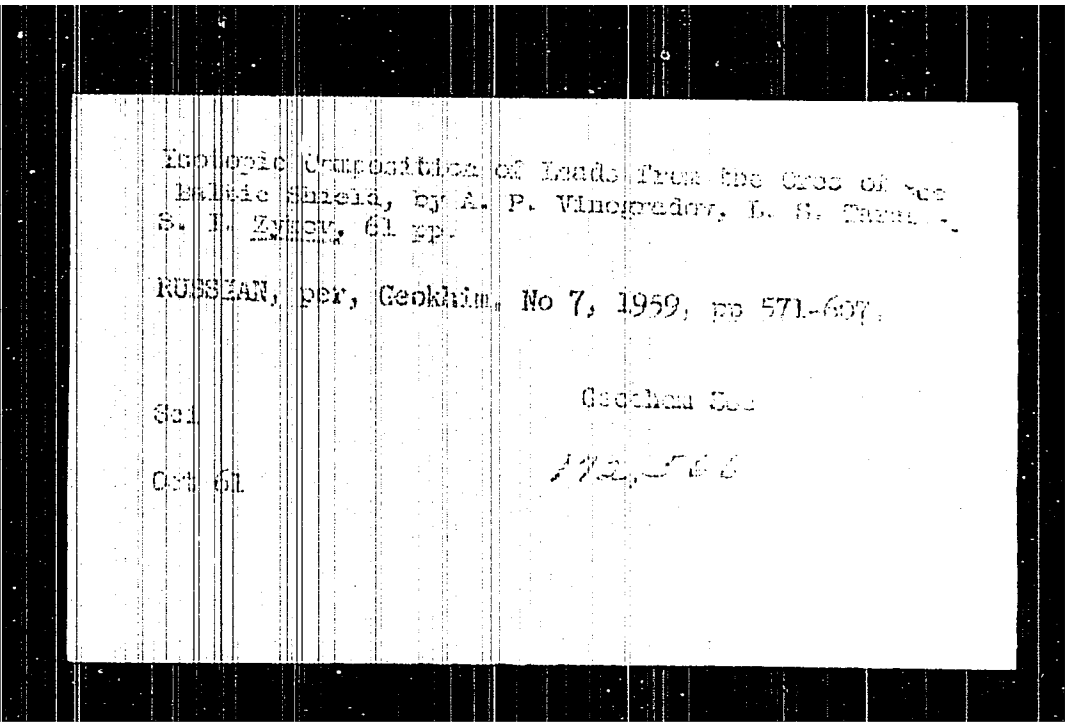

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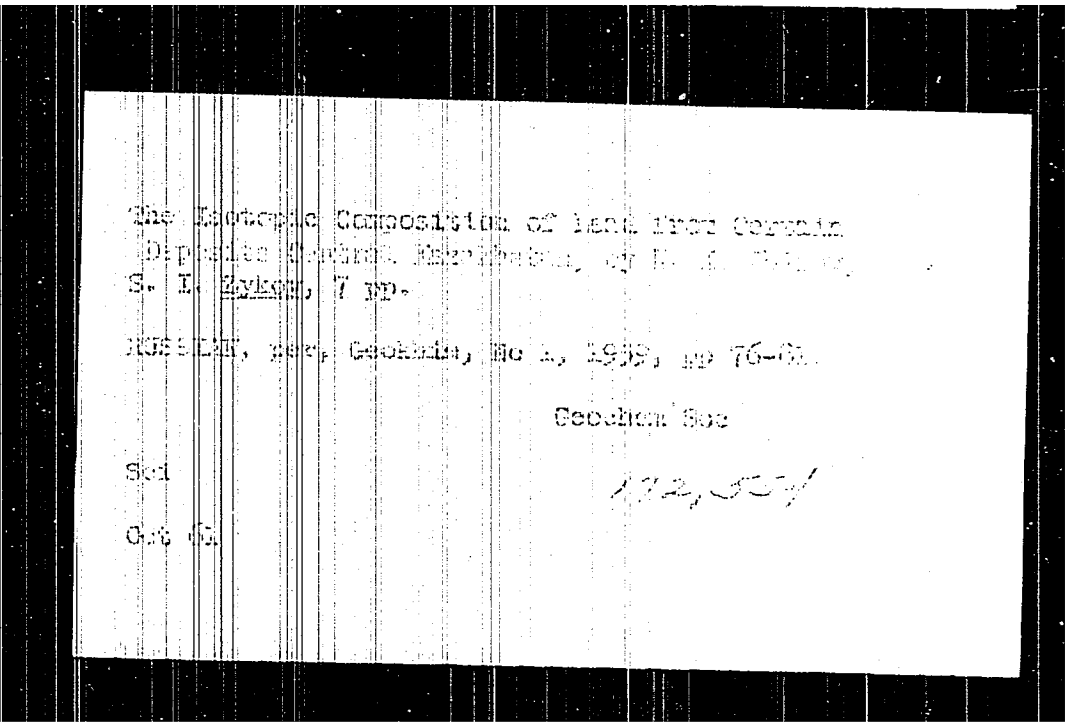

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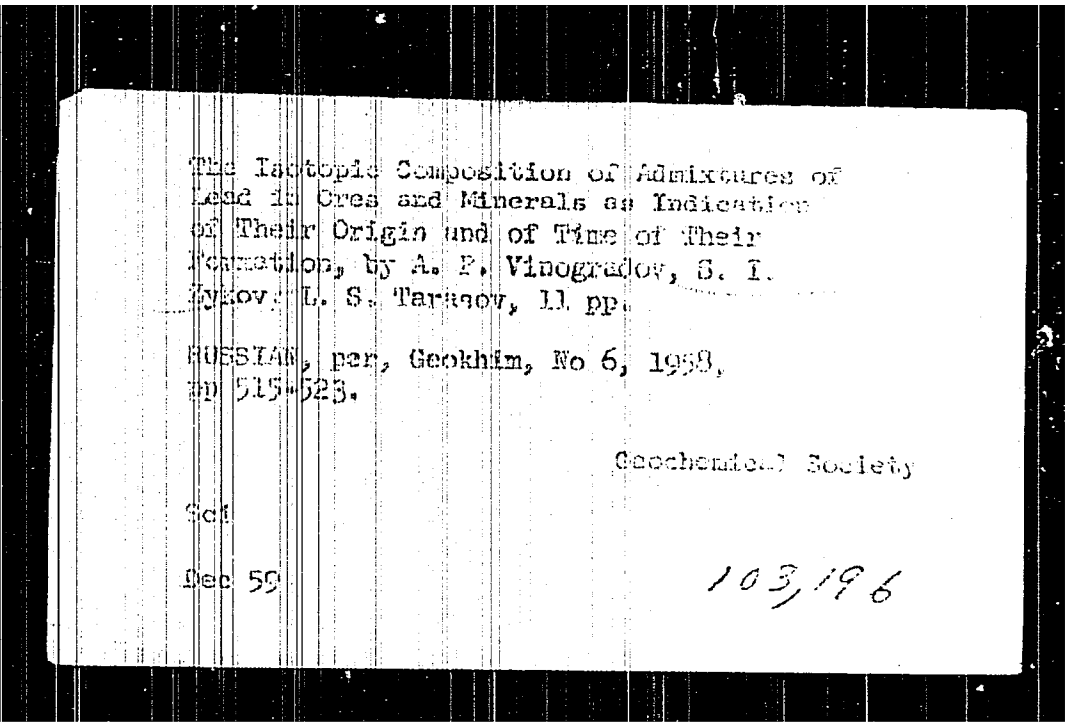

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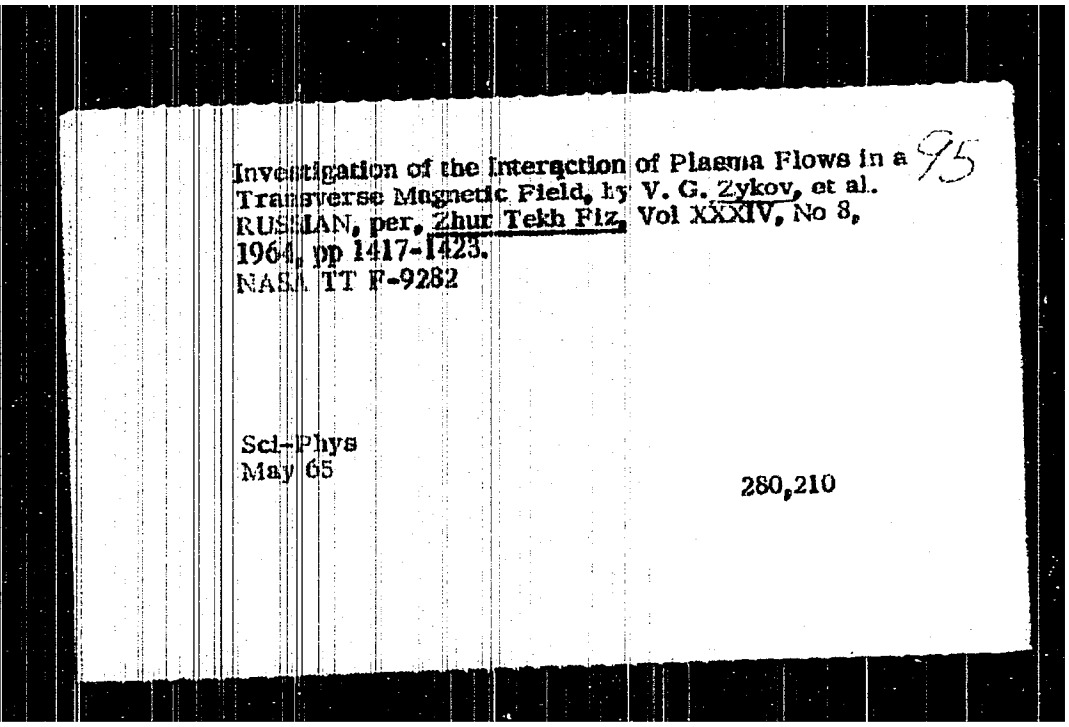

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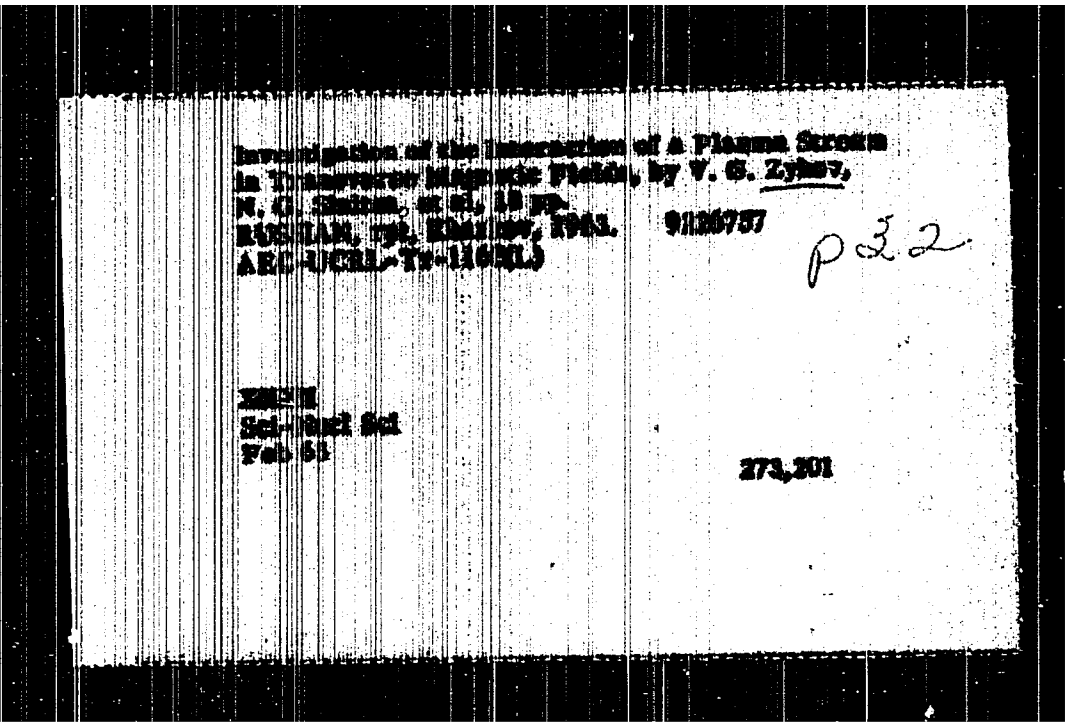

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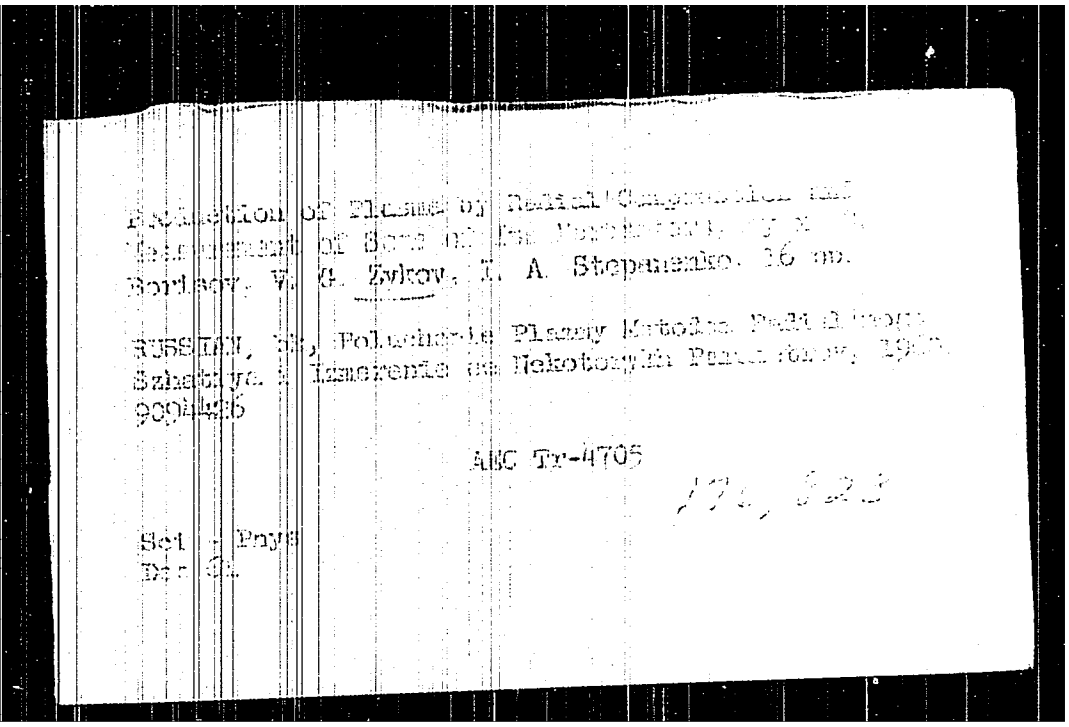

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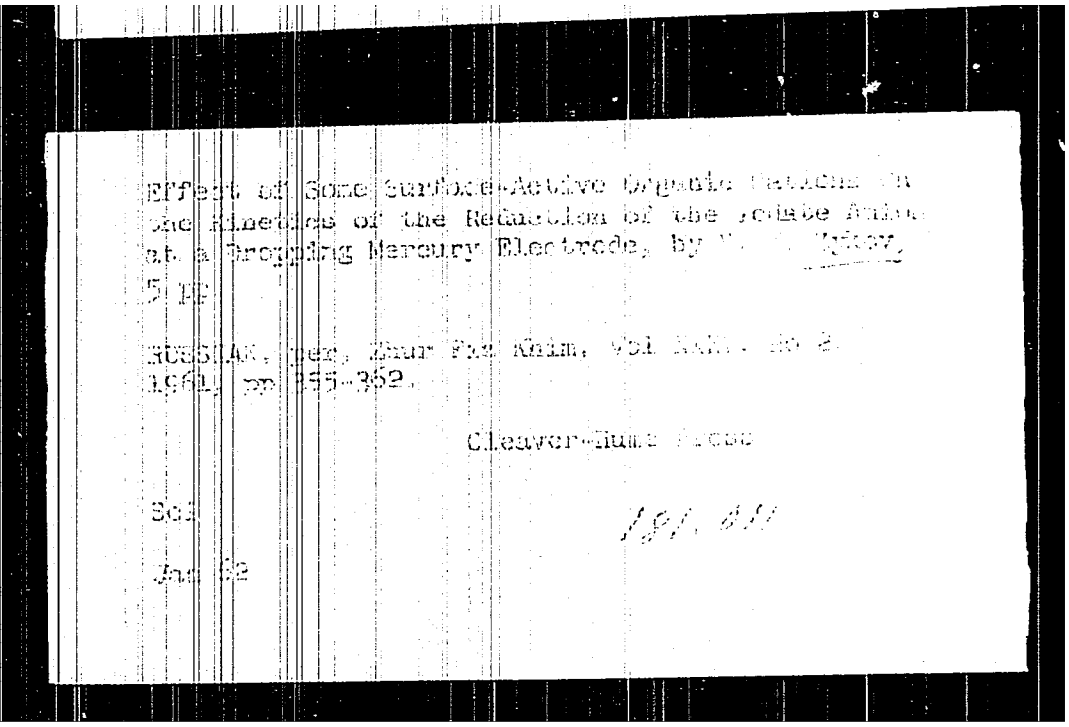

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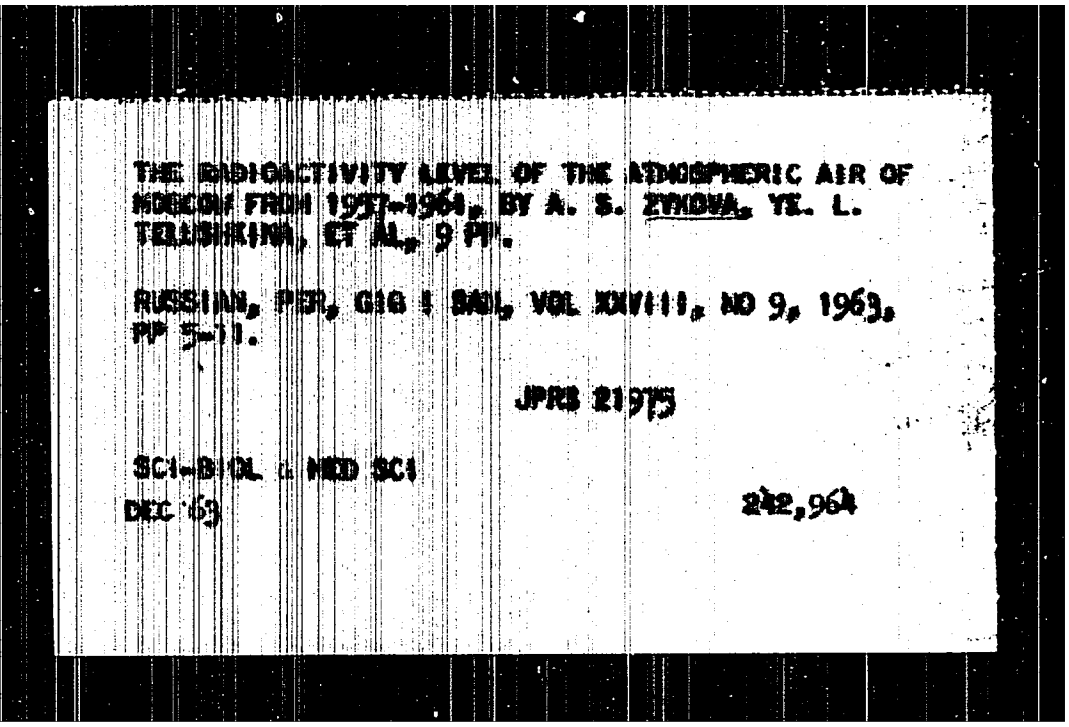

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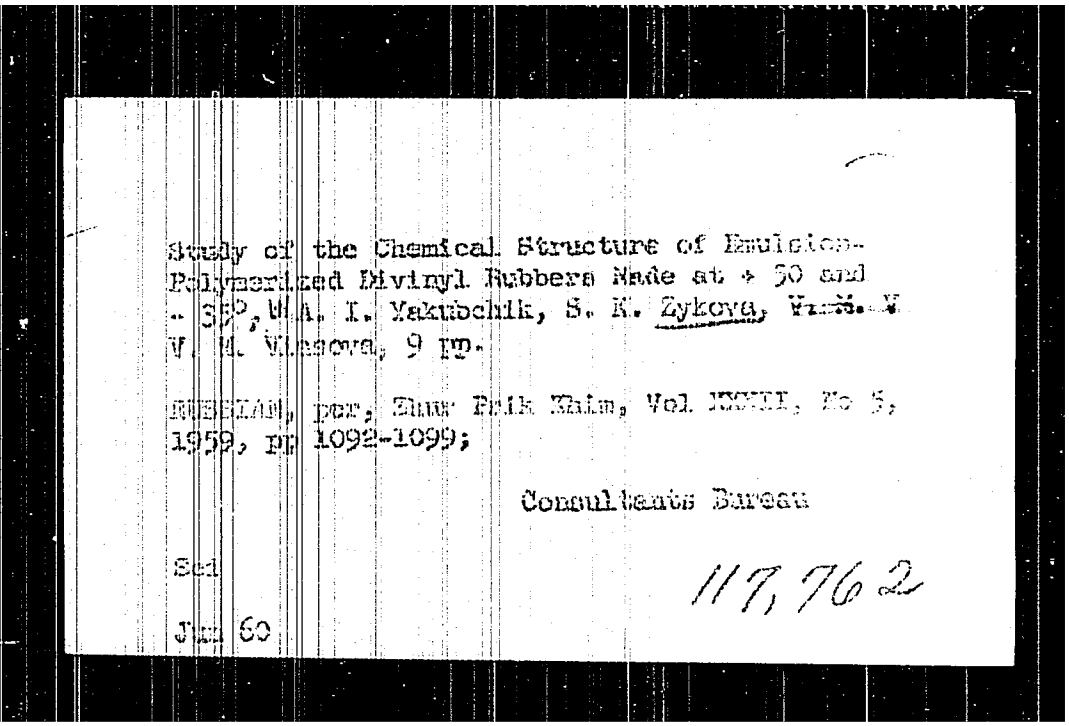

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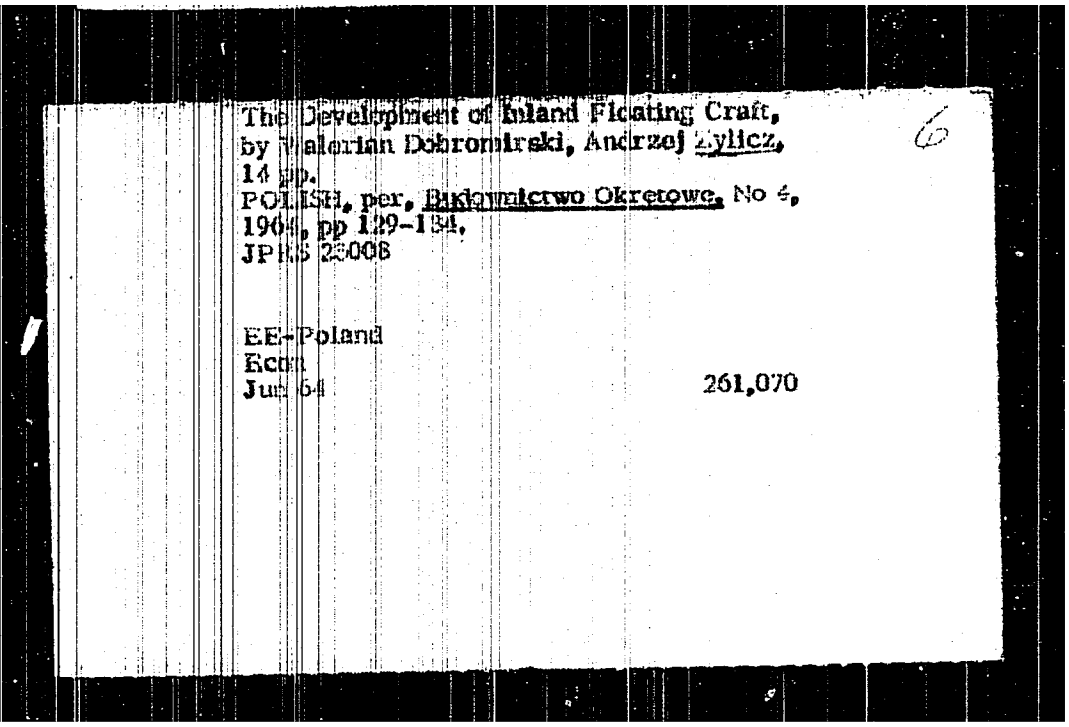

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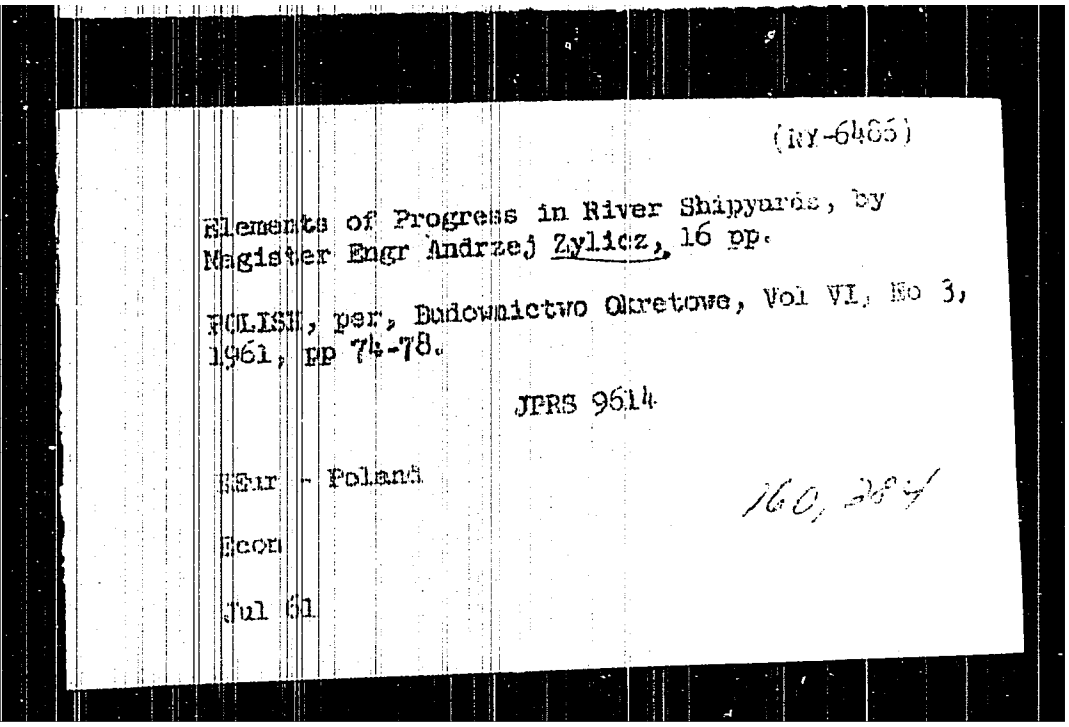

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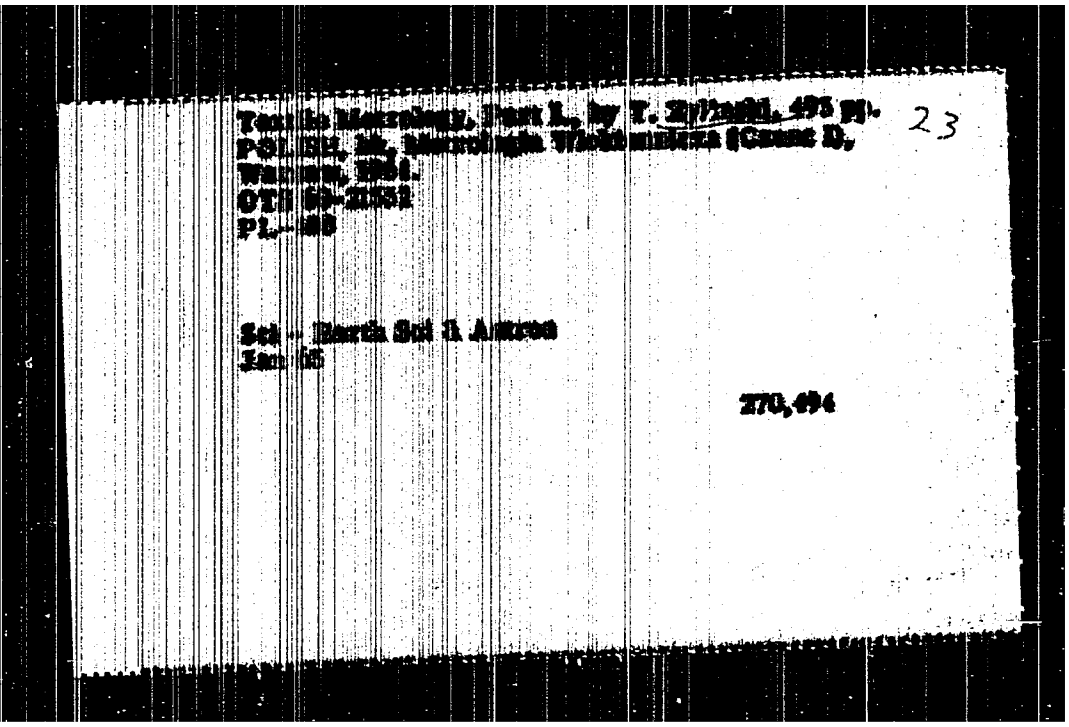

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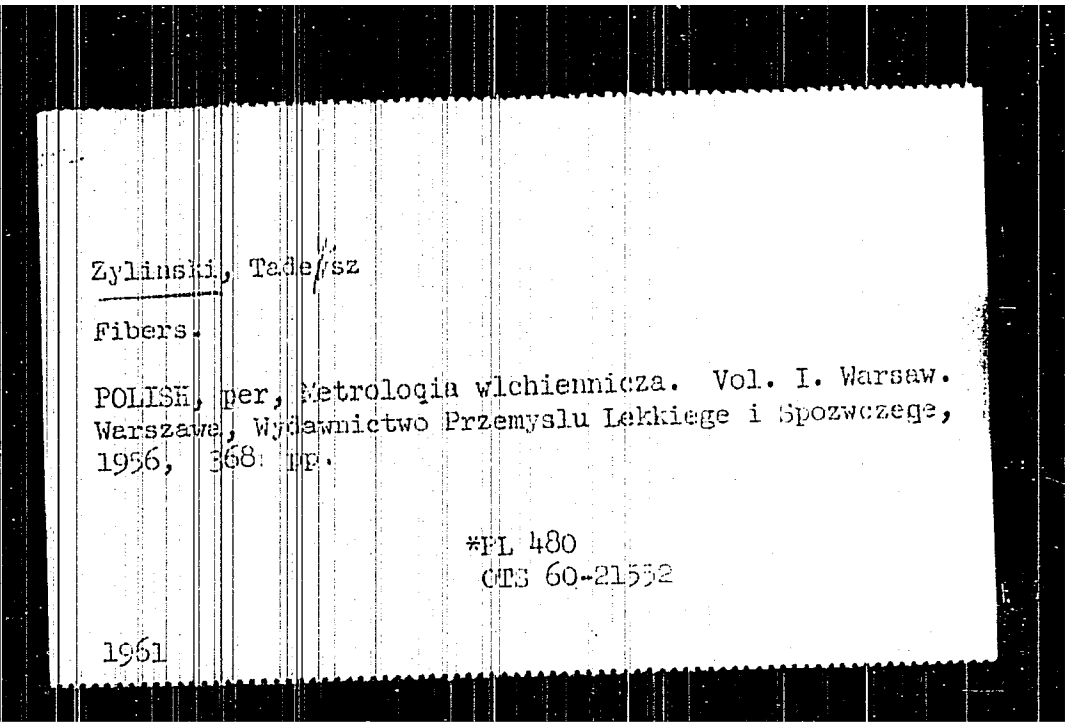

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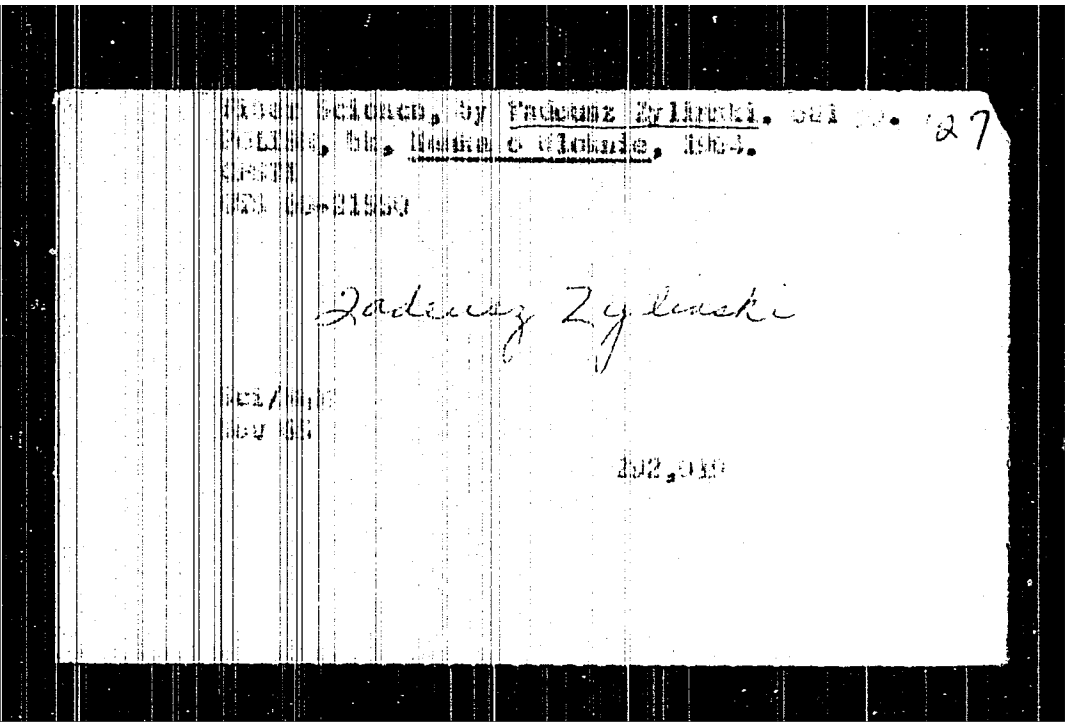

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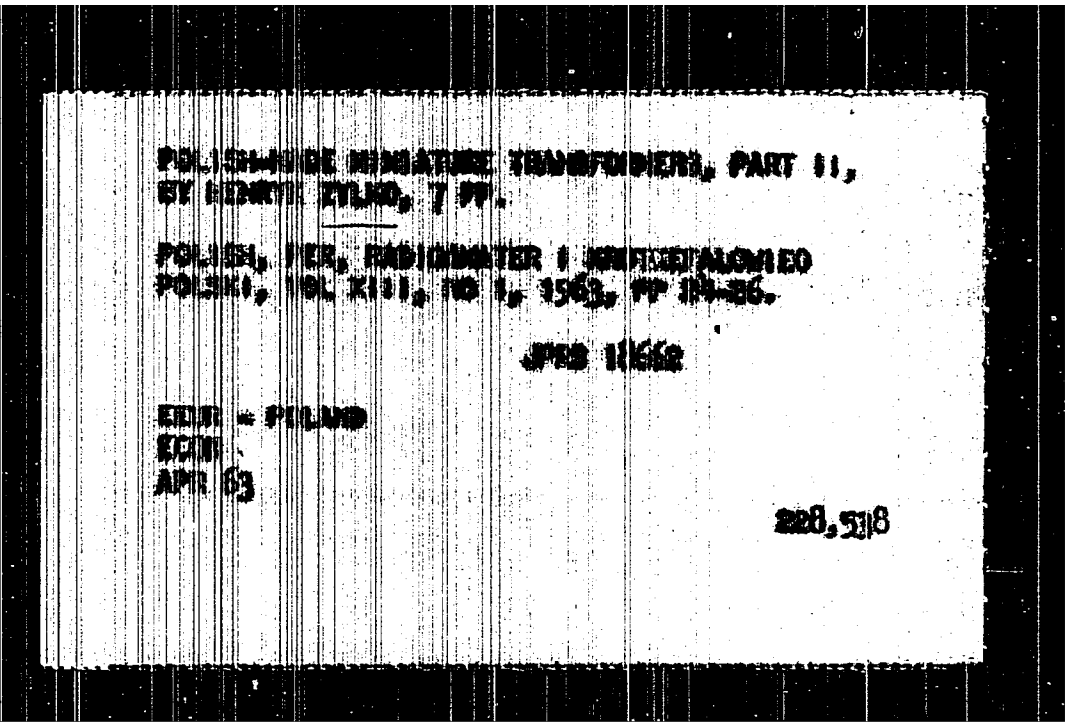

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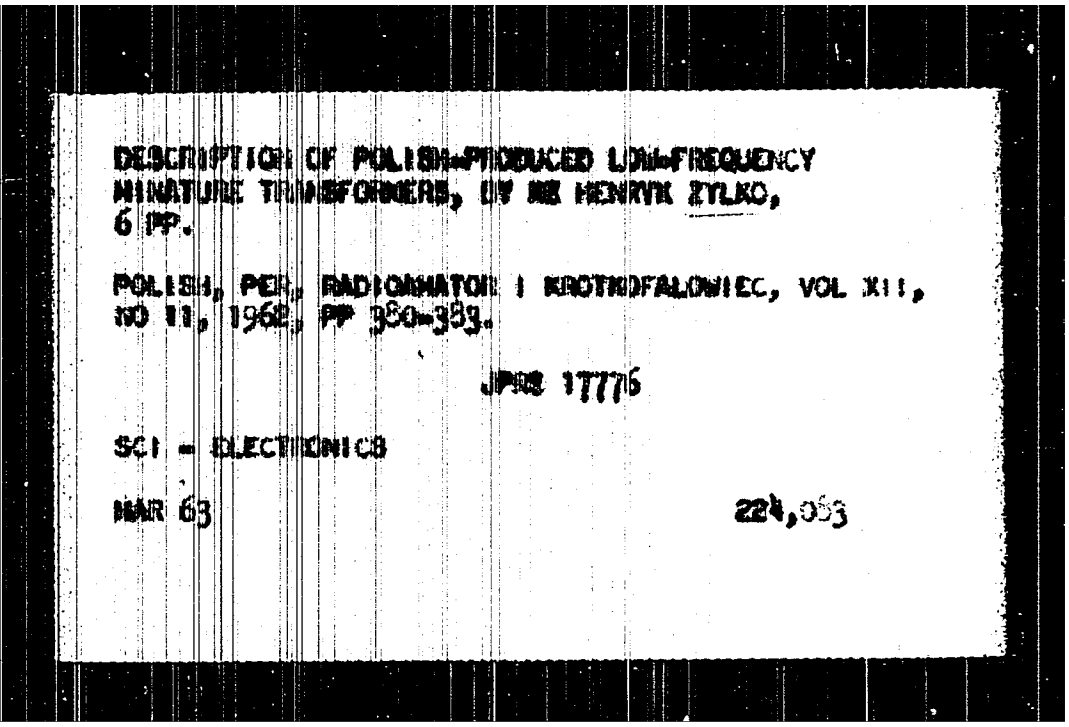

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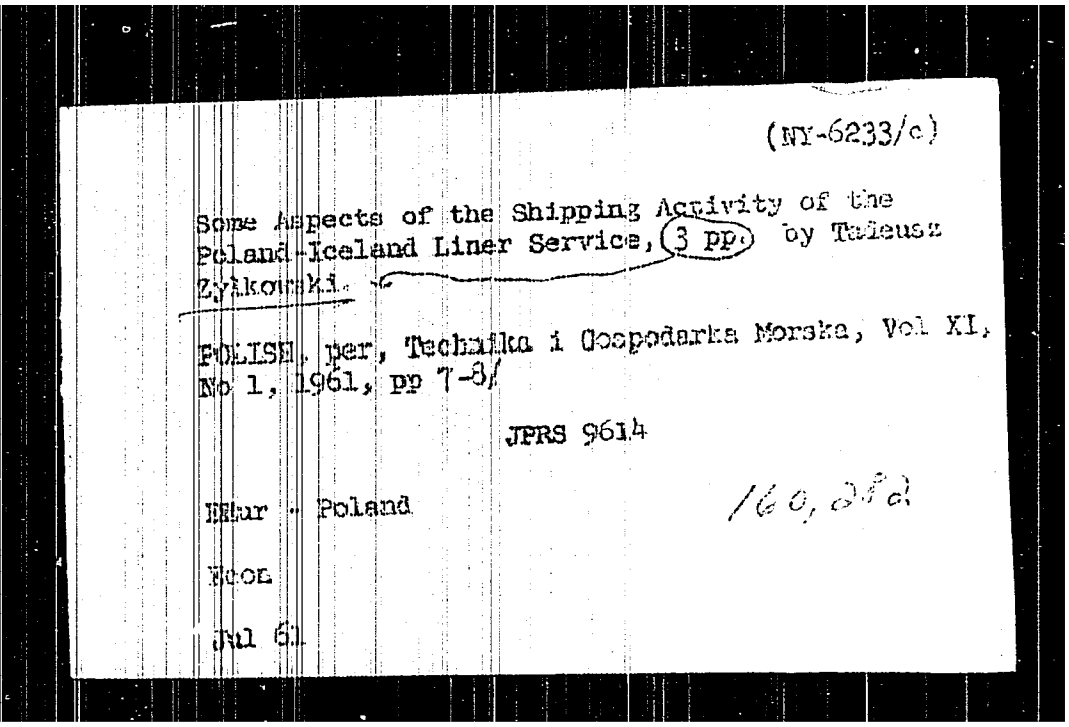

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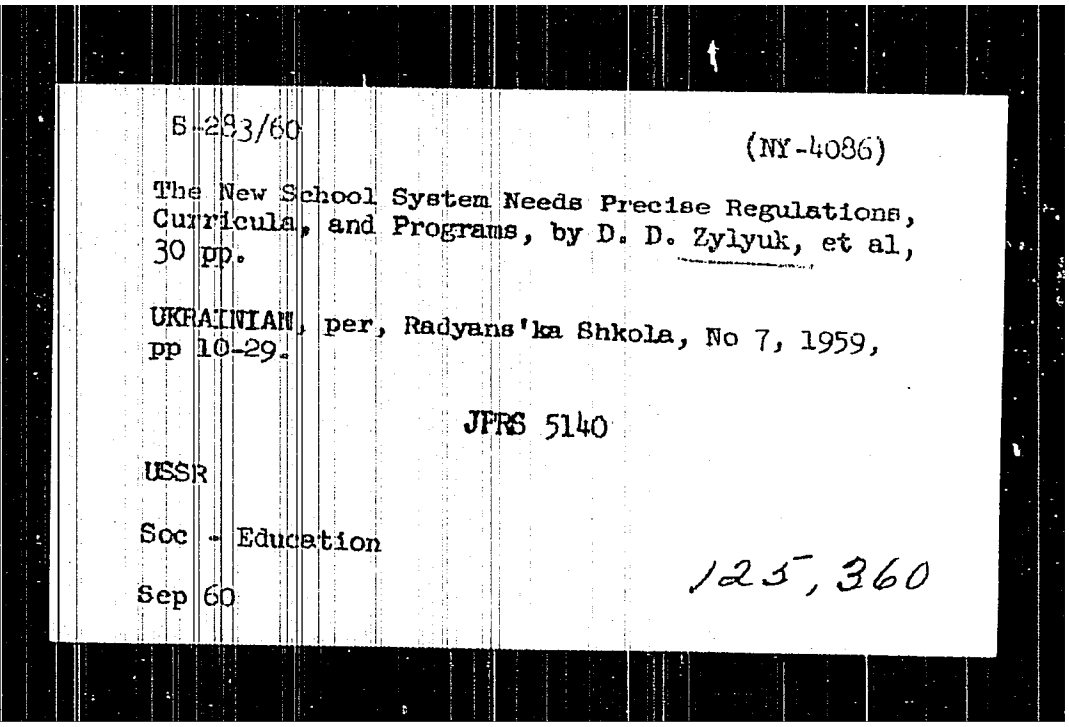

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Effect of Impurities on the Luminescence of Anthracene Crystals, by V. L. Zyma.
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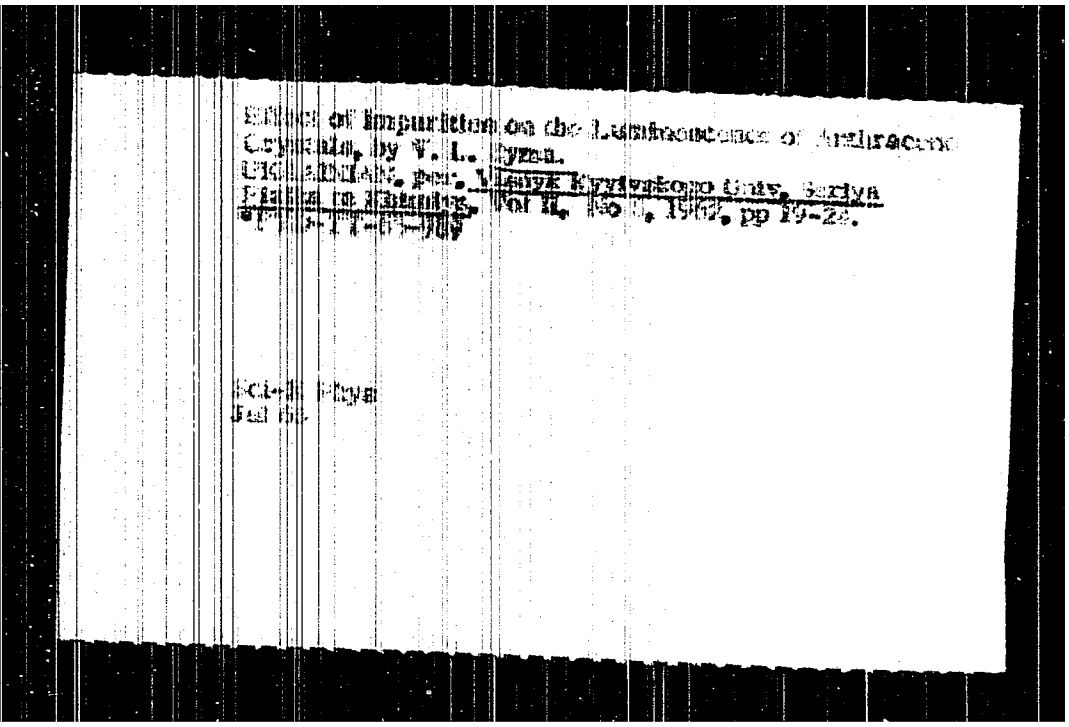

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Uch. zapiski. per. Vinnyk Kyivskoho Univ. Seriya Fizika ta khimiya, Vol 4, No 1, 1962, pp 19-22.

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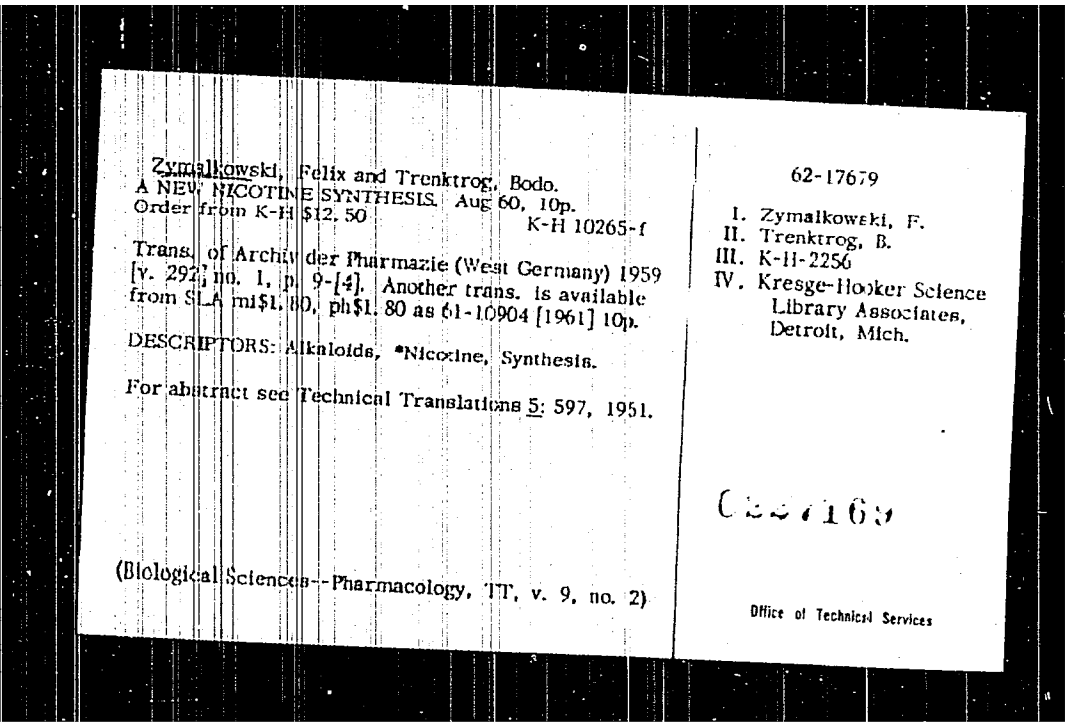

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DESCRIPTORS: Alkaloids, *Nicotine, Synthesis.

For abstract see Technical Translations 5: 597, 1951.

(Biological Sciences--Pharmacology, TT, v. 9, no. 2)

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I. Zymalkowski, F.
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III. K-H-2256
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Zymalkowski, Felix and Trenktrog, Bodo.
A NEW NICOTINE SYNTHESIS. [1961] 10p. 8 refs.
Order from SLA mi$1.80, ph$1.60 61-10904

Trans. of Archiv der Pharmazie (West Germany)
1959, v. 292, no. 1, p. 9-14.

The preparation is described of nicotine by working through nornicotine, similar to the Craig synthesis, which makes the second main alkaloid of tobacco available in a new and more favorable manner.

(Biological Sciences--Pharmacology, TT, v. 5, no. 11)

61-10904

1. Alkaloids--Synthesis
2. Nicotine--Synthesis
I. Zymalkowski, F.
II. Trenktrog, B.

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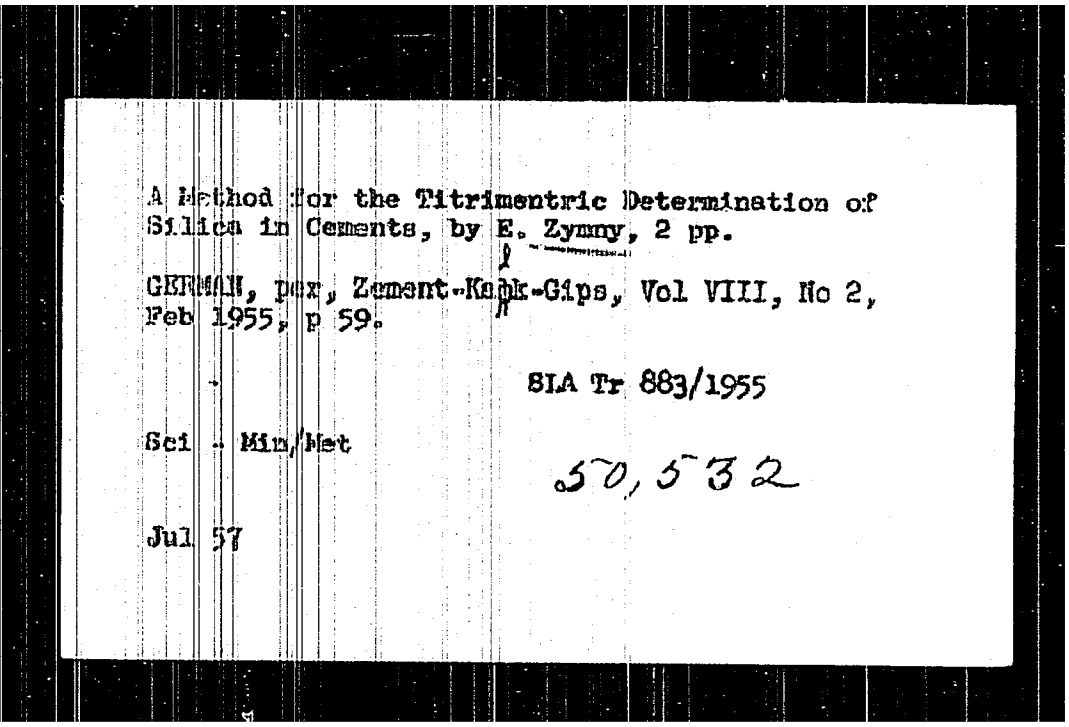

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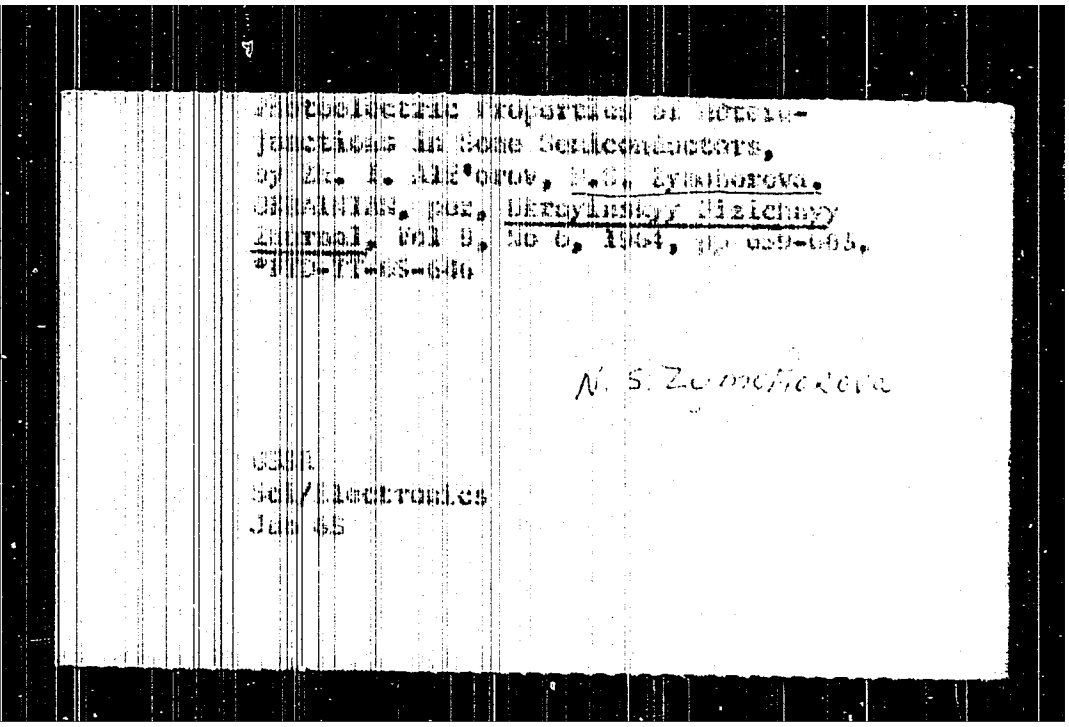

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Journal, Vol 9, No 6, 1964, pp 1059-1065,
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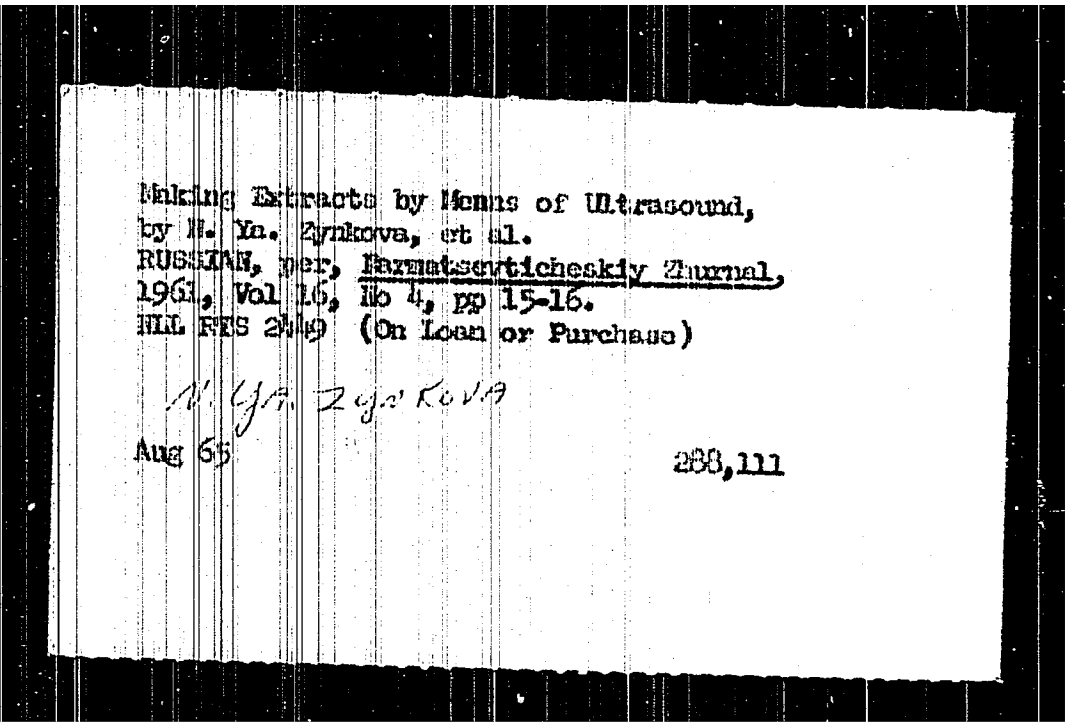

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Zyo, Y[oshio] and Murase, R[yoichi].
SPINNING OF ACETATE FIBERS WITH TETRAMETHYLENE BISETHYLENE UREA ADDED. Pt. 7 on Study of Bridge-Forming Reaction of Cellulose Fibers. [1961] [23]p. 3 refs.
Order from SLA $2.60 61-16778

Trans. of Sen'i Kogyo Shikensho Iho (Japan) 1958, no. 45, p. 87-98.

DESCRIPTORS: *Cellulose acetates, Synthetic fibers, Chemical bonds, Processing, Urea derivatives, Chemical reactions.

For the purpose of obtaining acetate fibers containing uniform bridge bonds, a bridge-forming agent was added to the spinning bath and spinning experiments were conducted. Some tests were also made on the changes in the form of the fibers produced in the spinning process and into some physical properties of the fibers obtained. Tetramethylene bisethylene urea was added, as bridge-
(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16778

1. Title: Spinning
I. Zyo, Y.
II. Murase, R.
III. Title: Study...

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Zyo, Yoshio and Murase, Ryoichi.
SPINNING OF ACETATE FIBERS WITH THIONOPHOSPHORIC TRIETHYLENE IMIDE ADDITIVE.
Pt. 8 on Study of Bridge-Forming Reaction of Cellulose Fibers. [1961] [13 p. 2 refs.
Order from SLA $1.60 61-16777

Trans. of Sen'i Kogyo Shikensho Iho (Japan) 1958, no. 45, p. 99-105.

DESCRIPTORS: *Cellulose acetates, Synthetic fibers, Processing, Chemical bonds, Physical properties, Imides, Chemical reactions.

By adding to the spinning bath for cellulose acetate the acetone-soluble ethylene imine derivative, thionophosphoric triethylene imide, as bridge-forming agent, spinning, and then heat treating, a uniform bridge-formation among the molecules was attained. The fiber showed an increase of about 50% in strength. The strength-elongation curve and the elasticity properties

(Materials--Textiles, TT, v. 6, no. 5) (over)

61-16777

I. Title: Spinning
I. Zyo, Y.
II. Murase, R.
III. Title: Study ...

Office of Technical Services

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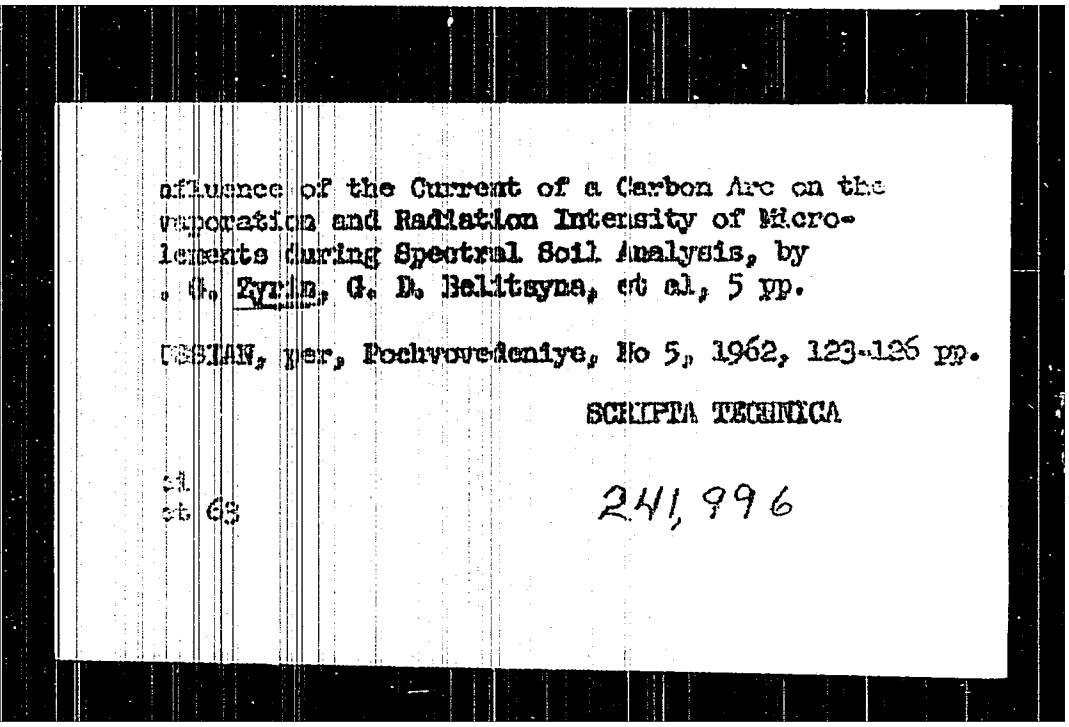

Influence of the Current of a Carbon Arc on the Vaporation and Radiation Intensity of Microelements during Spectral Soil Analysis, by
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Variation of the Cadmium Sulfide Contact Potential During Illumination, by G. K. Zyrynnov, 10 pp.

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Border Troops During the Great Patriotic War, by P. I. Zyrynnov.
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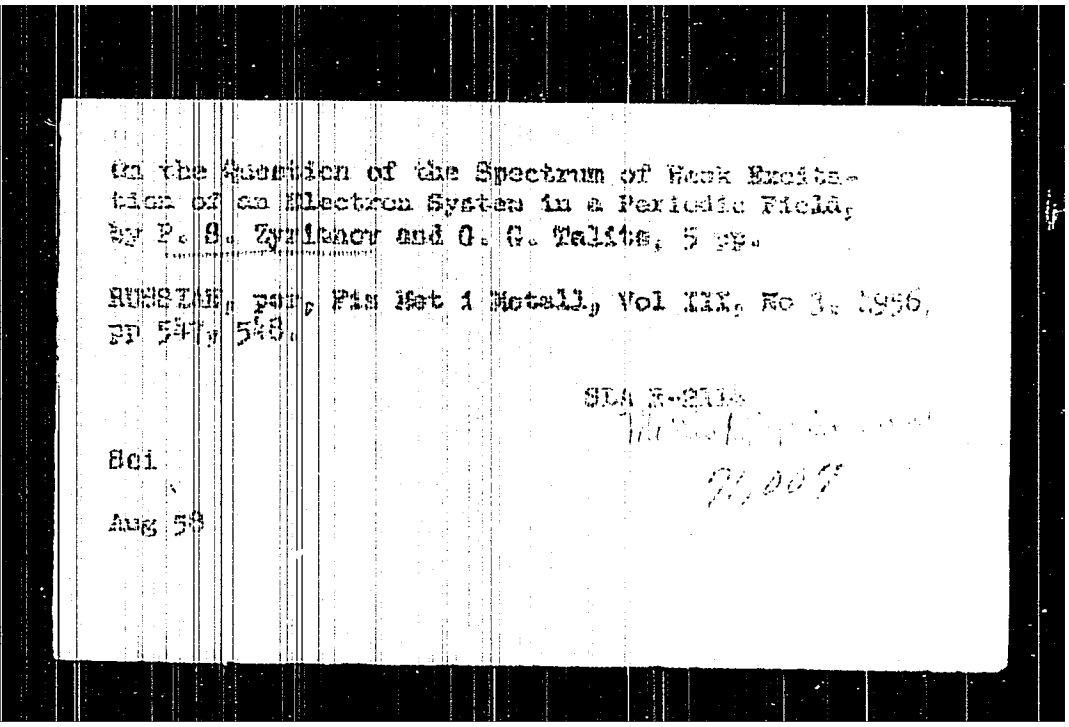

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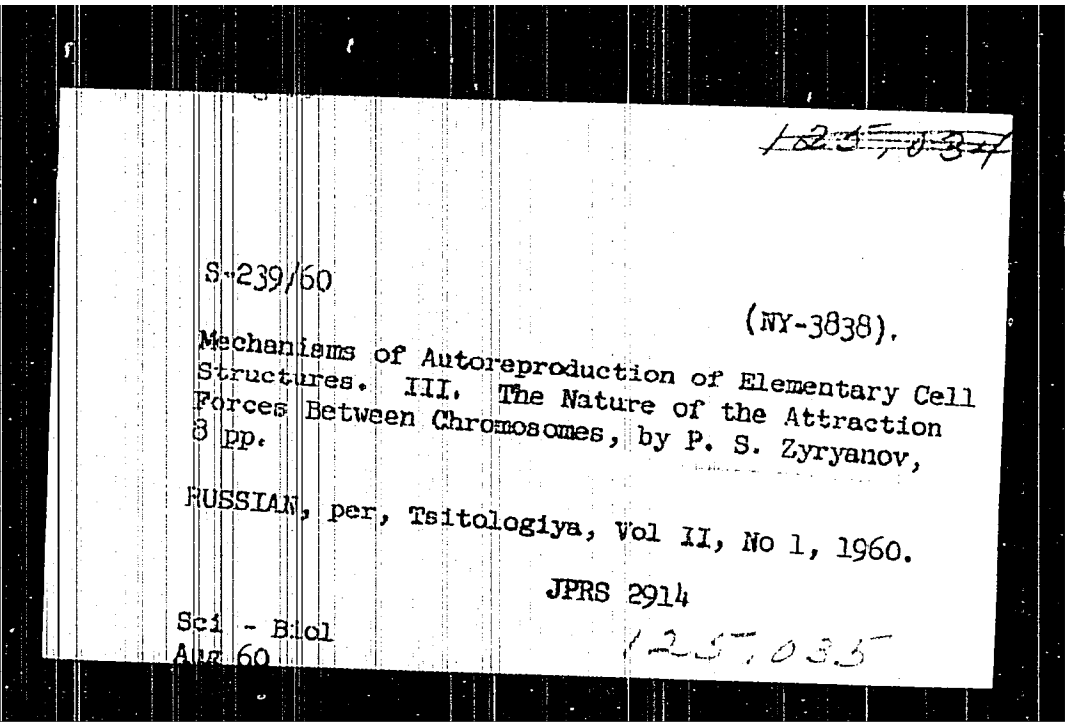

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On the Linearization of Hartree's Equation, by
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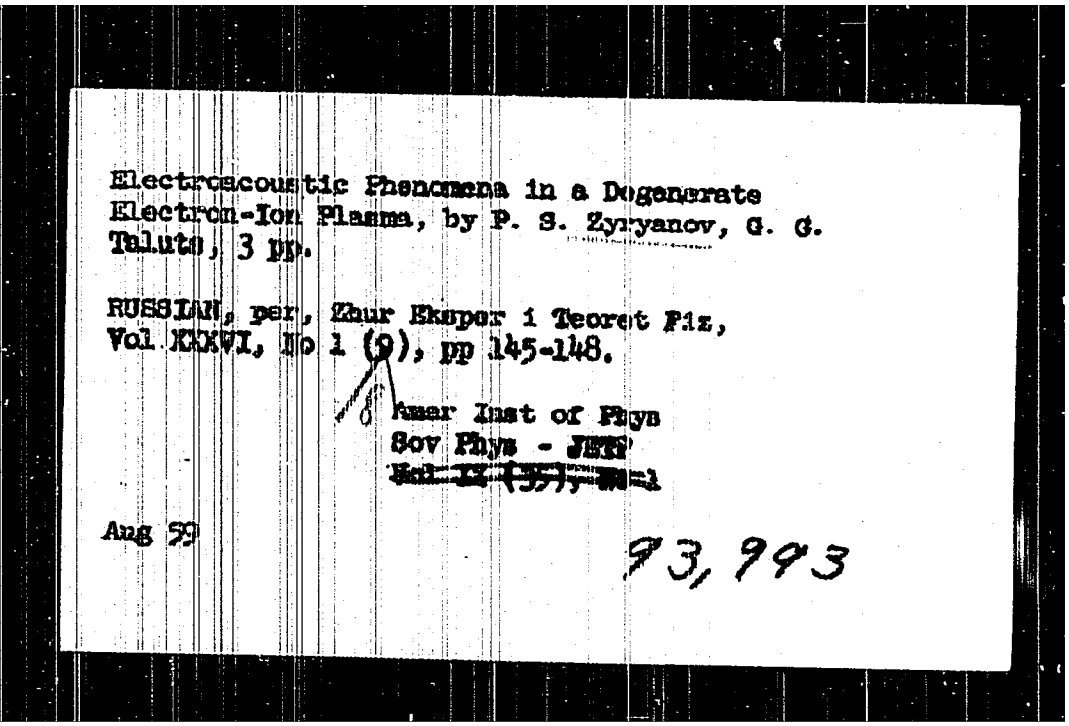

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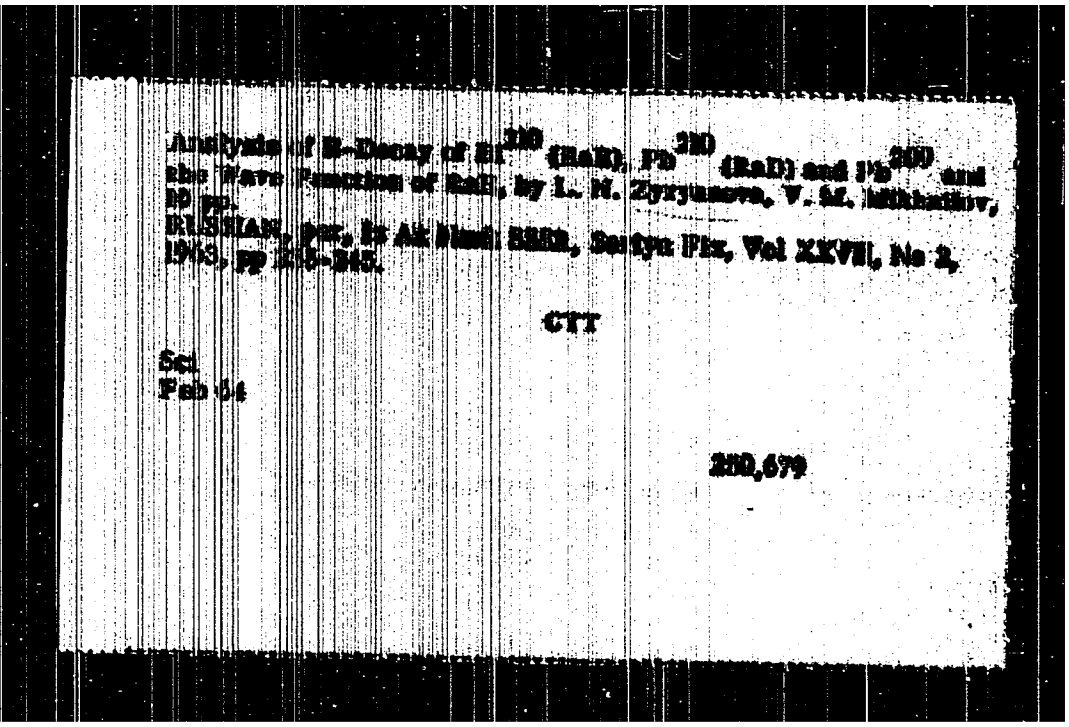

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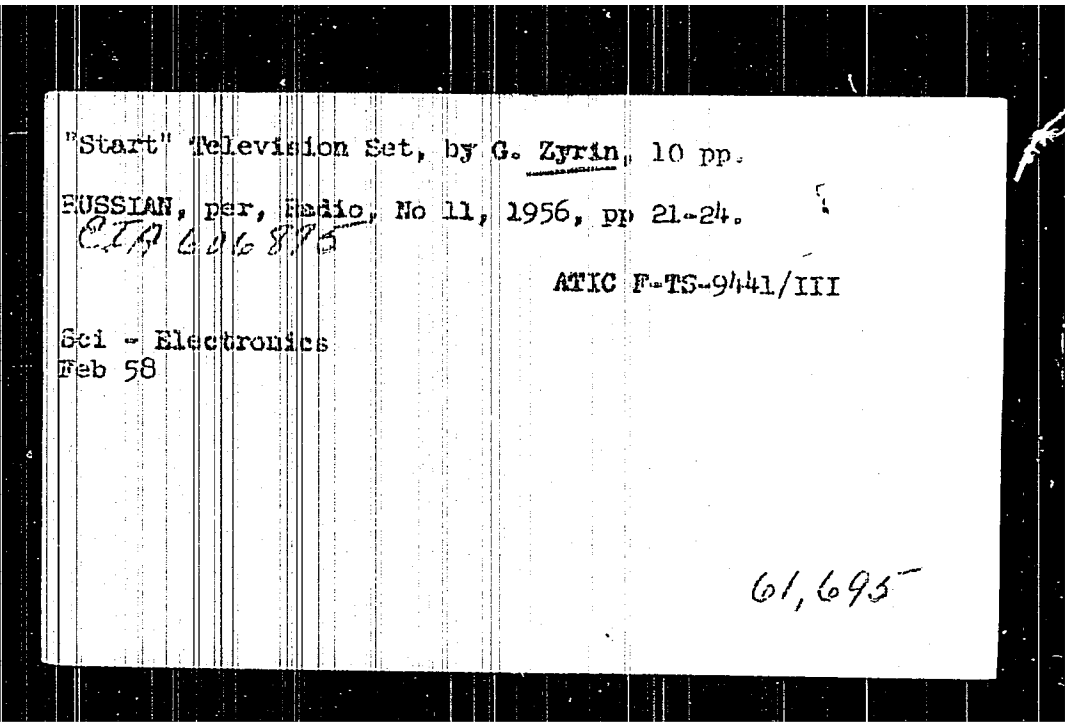

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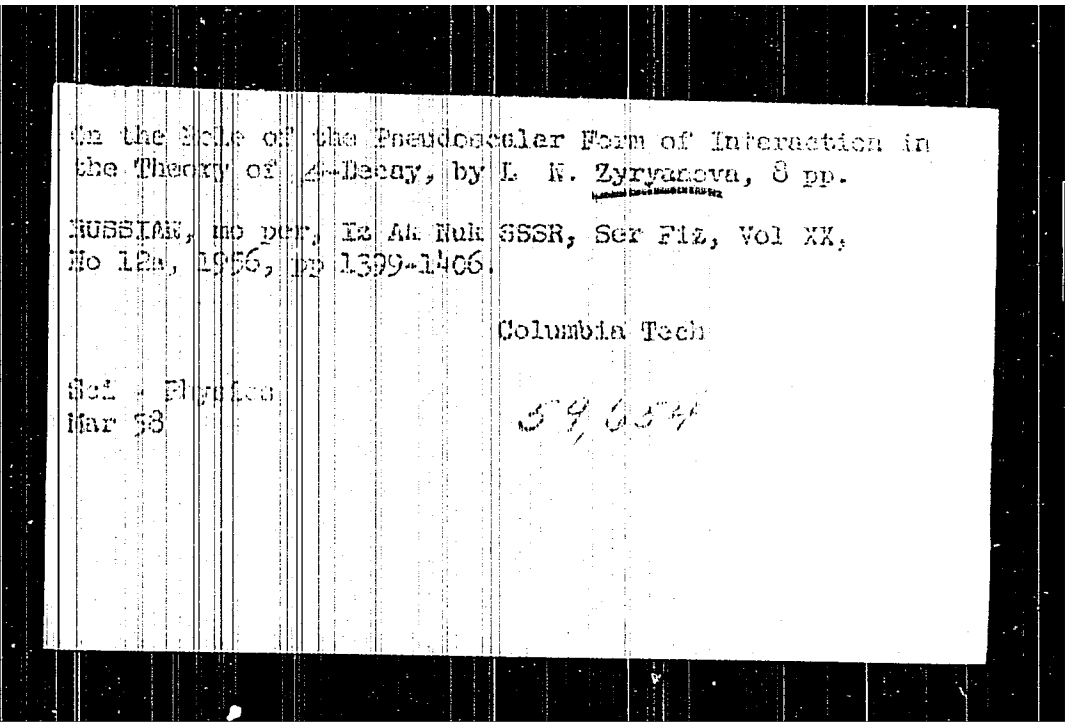

On the Role of the Pseudoscalar Form of Interaction in the Theory of β-Decay, by L. N. Zyryanova, 8 pp.

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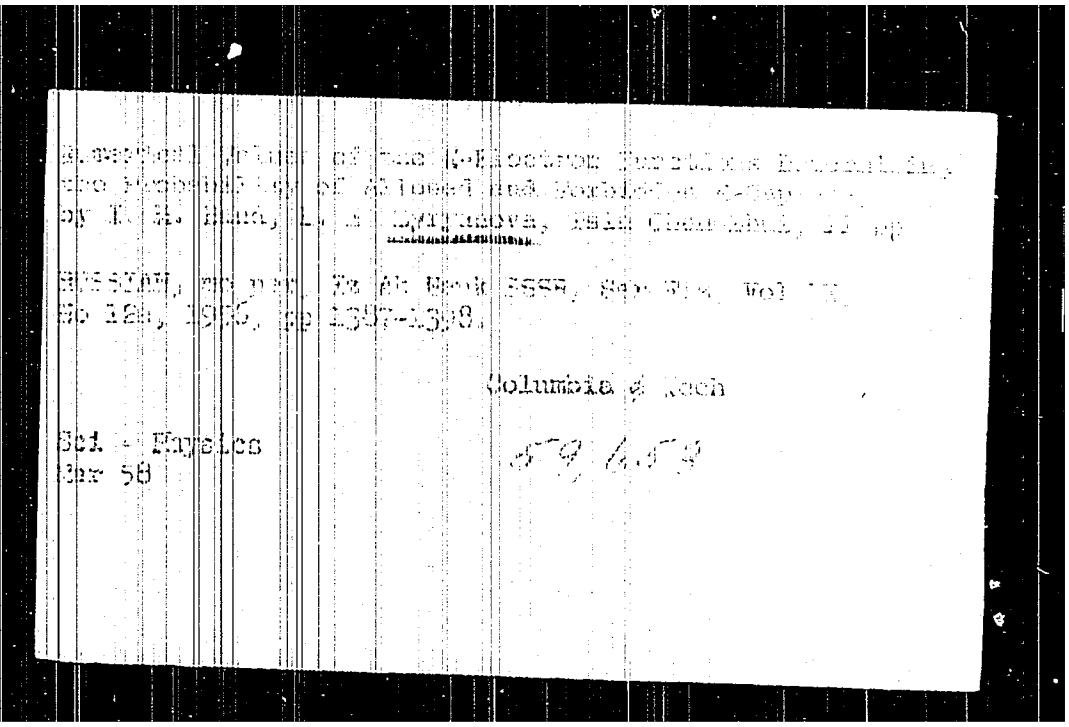

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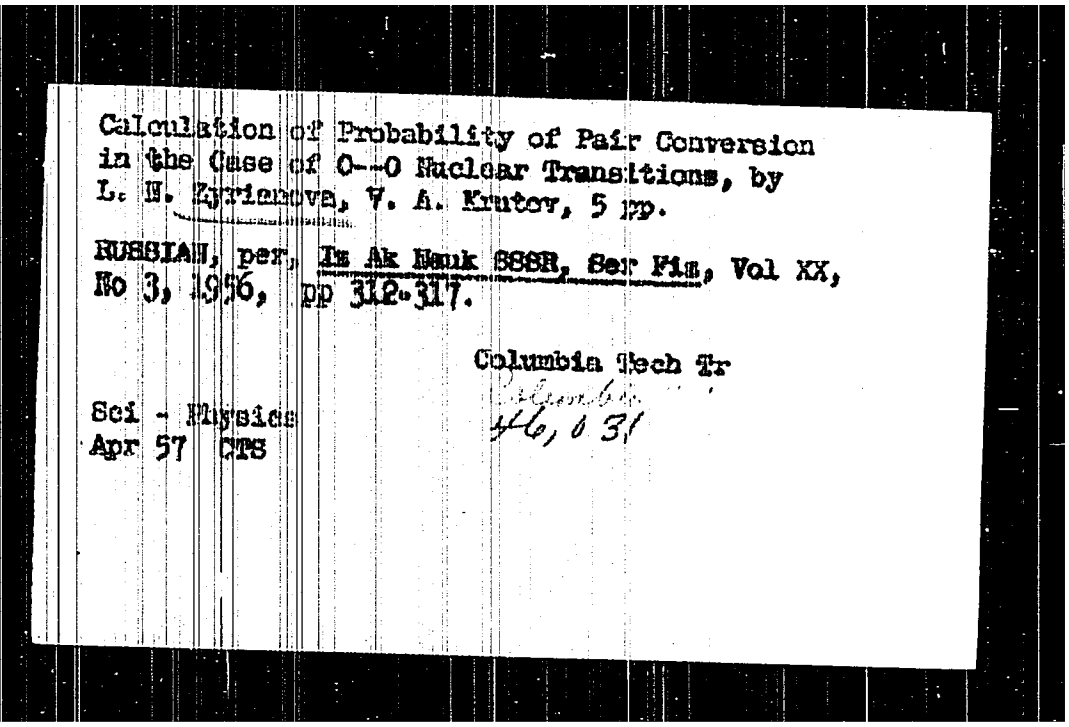

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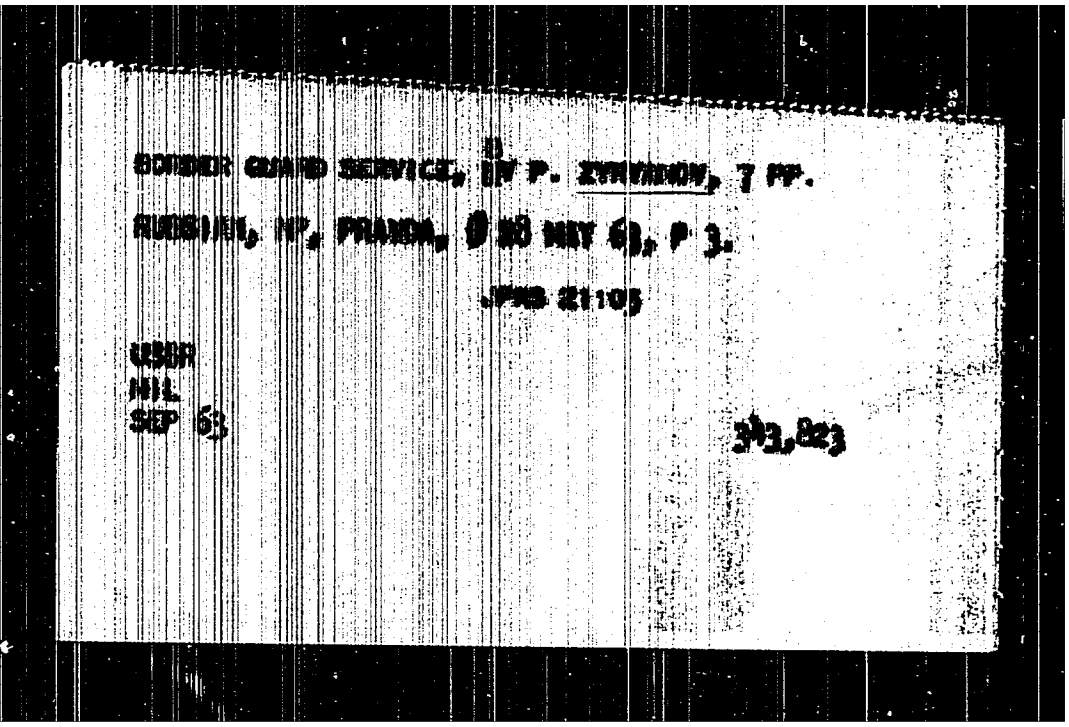

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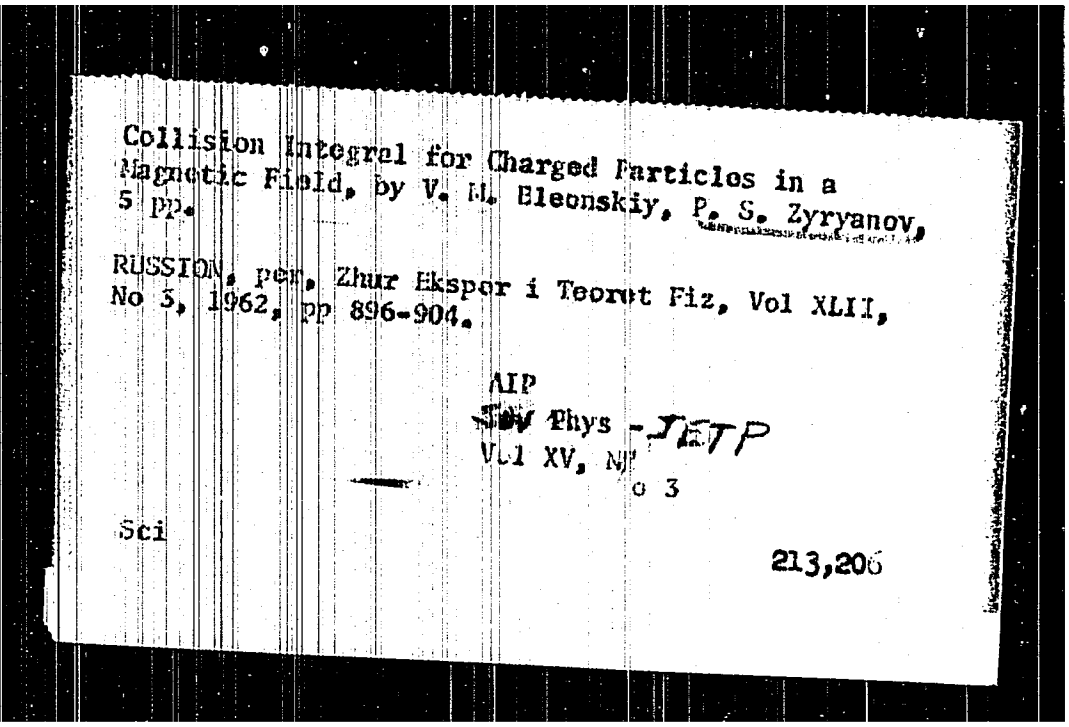

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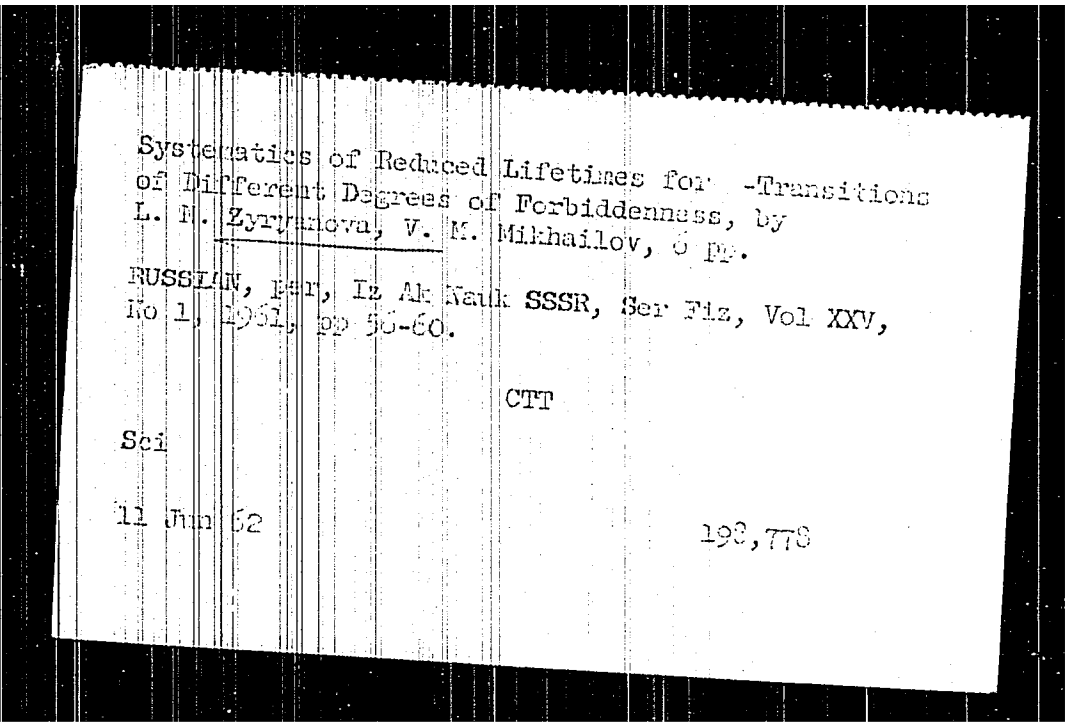

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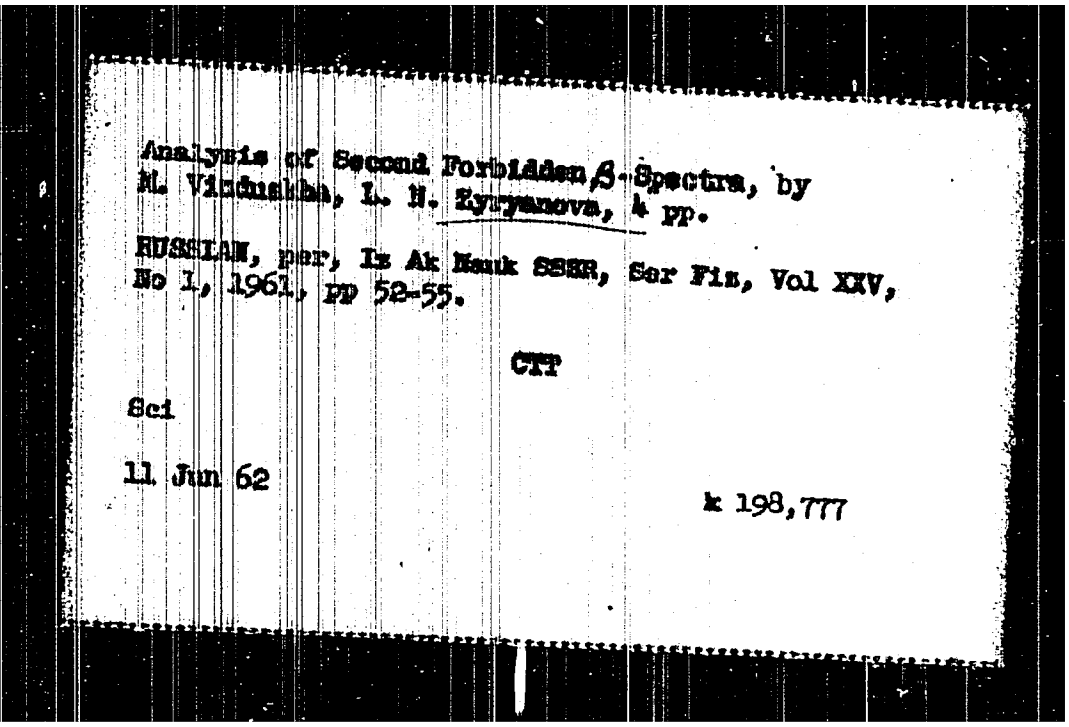

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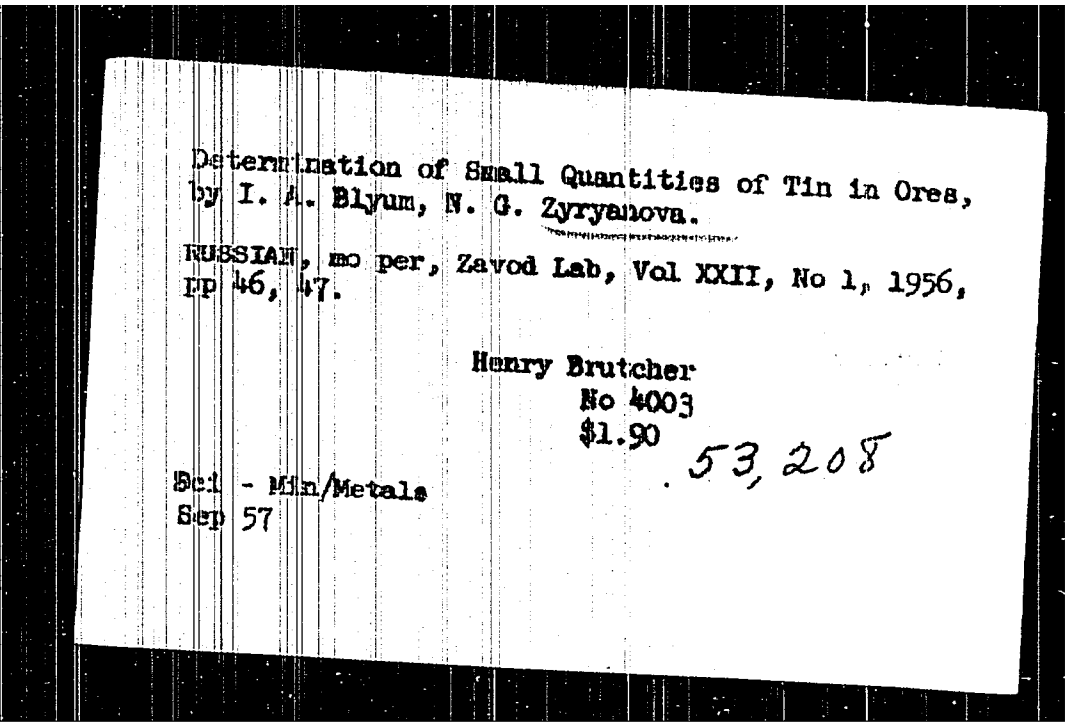

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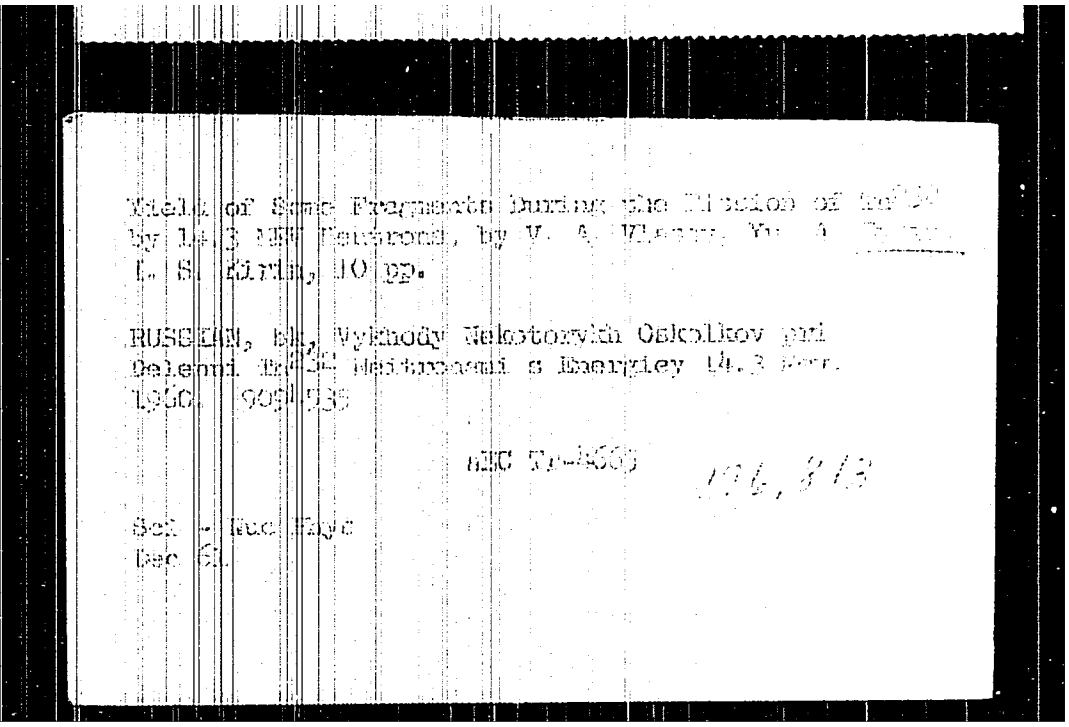

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